

Physics

Session **V**

Room: 103 Downs

1:00 - 1:20 PM	Ferdinand University of Illinois Urbana-Champaign	Transient ULX case study: M31 ULX-3 (LSXPS J004321.0+411833)	Murray Brightman <i>NuSTAR Science Operations Specialist</i>
1:20 - 1:40 PM	Adam M. Janik University of California, Los Angeles	Mapping the inner geometry of active galactic nuclei using Wiener Deconvolution of X-ray reverberation	Fiona A. Harrison <i>Harold A. Rosen Professor of Physics</i> Demet Kirmizibayrak <i>Postdoctoral Scholar Research Associate in Physics</i>
1:40 - 2:00 PM	Yuchi Zhang Middlebury College	Accretion flow and jet evolution during the 2021 outburst of GX 339-4	Fiona A. Harrison <i>Harold A. Rosen Professor of Physics</i> Shina Adegoke <i>Postdoctoral Scholar Research Associate in Physics</i>
2:00 - 2:20 PM	Sarah L. Pinto Harvard College <i>WAVE Fellow</i>	Disk-wind diagnostics from the 2025 outburst of black hole transient IGR J17091-3624	Fiona A. Harrison <i>Harold A. Rosen Professor of Physics</i> Shina Adegoke <i>Postdoctoral Scholar Research Associate in Physics</i>
2:20 - 2:40 PM	Sam Nasri University of California, San Diego	Investigating the nature of a serendipitous hard X-ray source in the Kepler field	Fiona A. Harrison <i>Harold A. Rosen Professor of Physics</i> Hannah Earnshaw <i>NuSTAR Calibration and Data Scientist</i>
2:40 - 2:50 PM	BREAK		
2:50 - 3:10 PM	Amelie E. Rajab University of California, San Diego <i>WAVE Fellow</i>	Infrared variability studies of Active Galactic Nuclei with SPHEREx	Fiona A. Harrison <i>Harold A. Rosen Professor of Physics</i> Elias Kammoun <i>Research Scientist in Astronomy</i>
3:10 - 3:30 PM	Mercan Demiroglu The Pennsylvania State University	Reflection from the plunging region of accreting black holes: A systematic study of spin measurements	Fiona A. Harrison <i>Harold A. Rosen Professor of Physics</i> Elias Kammoun <i>Research Scientist in Astronomy</i>

3:30 - 3:50 PM	Tooba Ansar Amherst College	A multi-wavelength archival search for counterparts and hosts of NuSTAR fast X-ray transients	Fiona A. Harrison <i>Harold A. Rosen Professor of Physics</i> Guillem Megias Homar <i>David and Ellen Lee Postdoctoral Scholar Research Associate in Physics</i>
3:50 - 4:10 PM	Michael Burch Harvey Mudd College <i>WAVE Fellow</i>	PySimSat: An open-source Python package for simulating satellite X-ray spectra	Fiona A. Harrison <i>Harold A. Rosen Professor of Physics</i> Gaurav Waratkar <i>Postdoctoral Scholar Research Associate in Physics</i>
4:10 - 4:30 PM	Wenda Chen University of Cambridge	Systematic study of the long-term behavior of hot electrons surrounding the supermassive black hole	Fiona A. Harrison <i>Harold A. Rosen Professor of Physics</i> Xiurui Zhao <i>Postdoctoral Scholar Research Associate in Physics</i>
4:30 - 4:50 PM	Kenji P. Farrell Caltech <i>Gary Stupian SURF Fellow</i>	Advancing the image simulator for the Ultraviolet Explorer (UVEX): Vignetting and red leak	Fiona A. Harrison <i>Harold A. Rosen Professor of Physics</i>